ELSEVIER

Lipids and Lipid Metabolism

Vol. 1349, 1997

BIOCHIMICA ET BIOPHYSICA ACTA

BBA

Contents

Editorial Note vi

Information for Contributors vii

Regular papers

Structure of a novel phosphocholine-containing aminoglycoglycerolipid of *Mycoplasma fermentans*
K. Matsuda, I. Ishizuka, T. Kasama, S. Handa, N. Yamamoto and T. Taki (Japan) 1

A novel high-molecular mass mammalian ethanolamine kinase
T. Uchida (Japan) 13

Effect of phospholipids on adsorption and penetration of human T-cell leukemia virus type I
D.-w. Yang, H. Iwai, A. Yamamoto, D.-x. Fu and H. Hoshino (Japan) 25

Localization of a polyunsaturated fatty acid response region in stearoyl-CoA desaturase gene 1
K.M. Waters, C. Wilson Miller and J.M. Ntambi (USA) 33

The perturbed membrane of cells undergoing apoptosis is susceptible to type II secretory phospholipase A_2 to liberate arachidonic acid
G.-i. Atsumi, M. Murakami, M. Tajima, S. Shimbara, N. Hara and I. Kudo (Japan) 43

Endogenous prostaglandins regulate rat renal phospholipid 'de novo' synthesis
M. Del Carmen Fernández-Tomé, E.H. Speziale and N.B. Sterin-Speziale (Argentina) 55

Subsection

Rapid report

A novel 15-hydroxyeicosatrienoic acid-substituted diacylglycerol (15-HETrE–DAG) selectively inhibits epidermal protein kinase C-β
Y. Cho and V.A. Ziboh (USA) 67

Regular papers

A protein kinase C-like activity involved in the chemotactic response of *Dictyostelium discoideum*
P. Phillips, M. Thio and C. Pears (UK) 72

Phosphatidic acid elicits calcium mobilization and actin polymerization through a tyrosine kinase-dependent process in human neutrophils: a mechanism for induction of chemotaxis
R.A. Siddiqui and D. English (USA) 81

Information for Contributors vii

Regular papers

Characterization and modulation of LP(a) in human hepatoma HEPG2 cells
H. Vu, K. Cianflone, Z.J. Zhang, D. Kalant and A.D. Sniderman (Canada) 97

Influence of macrophage-derived apoprotein E on plasma lipoprotein distribution of apolipoprotein A-I in apoprotein E-deficient mice
J. Spangenberg and L.K. Curtiss (USA) 109

Combined effects of sphingomyelin and cholesterol on the hydrolysis of emulsion particle triolein by lipoprotein lipase
L.I.B. Lobo and D.C. Wilton (UK) 122

Effects of sphingomyelin and phosphatidylcholine degradation on cyclodextrin-mediated cholesterol efflux in cultured fibroblasts
H. Ohvo, C. Olsio and J.P. Slotte (Finland) 131

Mechanisms by which thionin induces susceptibility of S49 cell membranes to extracellular phospholipase A_2
H.A. Wilson, W. Huang, J.B. Waldrip, A.M. Judd, L.P. Vernon and J.D. Bell (USA) 142

Oleic acid stimulates rapid translocation of cholinephosphate cytidylyltransferase in type II cells
R.M. Viscardi, K. Strauss and J.D. Hasday (USA) 157

Oxidative damage of human skin lipids. Dependence of lipid peroxidation on sterol concentration
J. Lasch, U. Schönfelder, M. Walke, S. Zellmer and D. Beckert (Germany) 171

Electrorotation of liposomes: verification of dielectric multi-shell model for cells
K.L. Chan, P.R.C. Gascoyne, F.F. Becker and R. Pethig (UK, USA) 182

Information for Contributors *vii*

Regular papers

Tissue uptake and interconversion of plasma unesterified ^{14}C linoleic acid in the guinea pig
L. Zhou, N. Xu and Å. Nilsson (Sweden) 197

Increased cellular triglyceride levels in human monocytic and rat smooth muscle cells after lovastatin
N. Hrboticky, A. Becker, H.-J. Kruse and P.C. Weber (Germany) 211

Phospholipid transfer protein can transform reconstituted discoidal HDL into vesicular structures
H.I. Nishida, D.G. Klock, Z. Guo, B.P. Jakstys and T. Nishida (USA) 222

Protein phosphatase 1 and 2A inhibitors activate acyl–CoA:cholesterol acyltransferase and cholesterol ester formation in isolated rat hepatocytes
M.L. Hernández, M.J. Martínez, M. López de Heredia and B. Ochoa (Spain) 233

Induction of megamitochondria by some chemicals inducing oxidative stress in primary cultured rat hepatocytes
M. Karbowski, C. Kurono, Y. Nishizawa, Y. Horie, T. Soji and T. Wakabayashi (Japan) 242

Thia fatty acids as substrates and inhibitors of stearoyl-CoA desaturase
K.E. Høvik, Ø.S. Spydevold and J. Bremer (Norway) 251

The lipolysis of chylomicrons derived from different dietary fats by lipoprotein lipase in vitro
K.M. Botham, M. Avella, A. Cantafora and E. Bravo (UK, Italy) 257

Subsection

Regular papers

Modification of heart sarcolemmal phosphoinositide pathway by lysophosphatidylcholine
S.-Y. Liu, C.-H. Yu, J.-A. Hays, V. Panagia and N.S. Dhalla (Canada) 264

Tamoxifen inhibits the release of arachidonic acid stimulated by thapsigargin in estrogen receptor-negative A549 cells
J.D. Croxtall, Q. Choudhury, J.O. White and R.J. Flower (UK) 275

Cumulative Contents 285

Author Index 287